Crop Weather Calendar of Rabi Cucumber: Khulna Region (Districts: Khulna, Norail, BagerHat&Sathkhira) Bangladesh

Khulna Region		Rabi Cu	ıcumber		Life span 100-120 day												
Months	October			November						Dece	mber		January				
Std.Week/Normal	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4
Rainfall (mm)	41.0	38.5	31.5	26.5	9.5	13.0	8.0	3.0	3.5	1.0	4.0	0.0	1.0	3.0	1.5	0.0	3.5
Max. Temp. (°C)	32.7	32.7	32.4	31.7	31.0	31.0	30.1	29.5	28.5	27.7	27.0	26.0	25.6	25.0	25.0	25.8	26.2
Min. Temp. (°C)	25.5	25.0	24.2	22.5	21.5	20.6	19.3	18.0	16.3	15.3	14.5	13.4	12.6	12.2	12.2	12.7	12.4
Mean Temp. (°C)	29.1	28.9	28.3	27.1	26.3	25.8	24.7	23.7	22.4	21.5	20.7	19.7	19.1	18.6	18.6	19.2	19.3
RHmax (%)	96.8	96.5	96.2	96.3	96.0	95.6	95.9	95.8	95.5	94.7	95.7	95.8	95.7	95.4	95.2	94.9	94.9
RHMin (%)	69.2	65.6	63.3	59.2	57.4	53.9	51.3	49.0	46.7	47.3	48.8	49.2	47.8	48.7	46.9	46.8	44.3
RHmean (%)	83.0	81.1	79.8	77.8	76.7	74.7	73.6	72.4	71.1	71.0	72.2	72.5	71.7	72.0	71.0	70.8	69.6
SShr (hrs)	41.5	47.5	49.5	52.5	48.5	53.5	52.5	53.5	53.0	52.0	49.5	48.0	48.5	47.0	46.5	49.5	53.0
WD (deg)	189	203	193	184	173	176	189	197	197	194	189	181	177	175	182	198	198
WS(Km/hr)	4.3	3.7	4.1	3.8	3.4	4.1	3.8	4.3	4.3	4.0	4.5	4.1	4.6	4.6	4.7	4.3	4.6
Stage	Spout	ing & See	edlina		vegetative growth			Flowering & fruiting				Harvesting					
Favorable environment			· ····································			<del>,                                    </del>		,g									
Temperature	25	5 °C-30 °C ,	Below 15	<sup>o</sup> C and ab	ove 35 °C	growth wi	l be retard	; high tem	perature, l	ong day le	ngth and h	igh light in	tensity han	npered fen	nale flowe	r productio	n;
Relative Humidity							60% to 7		the day ar		nt night						
Soil Temperature	15.5° C - 32 °C																
Cunchino Hour	6 to 8 hr of sunlight to thrive																
Sunshine Hour																	
Favorable conditions for insects and di	seases							6 to 8 hr c	of sunlight	to thrive			1 2200	/40 : 20	06) 841 60	700/	
Favorable conditions for insects and dis Fruit fly	seases							6 to 8 hr o	of sunlight	to thrive es when th	ne tempera	tures fall b	elow 32°C	(10 to 30	°C), RH: 60	to 70%	
Favorable conditions for insects and dis Fruit fly Pumpkin beetle	seases						emperature	Abundan	of sunlight ace increase ,RH: 65-80	to thrive es when th %	ne tempera	tures fall b	elow 32°C	(10 to 30 to	°C), RH: 60	to 70%	
Favorable conditions for insects and dis Fruit fly	seases				23°C t	Т	emperature emperature	6 to 8 hr c Abundan : 25-38°C :22-35°C	ce increase, RH: 65-809	to thrive es when th %	•			(10 to 30 °	°C), RH: 60	to 70%	
Favorable conditions for insects and di- Fruit fly Pumpkin beetle Epilachna beetle	seases			26 °C		T o 28ºC, RH	emperature	Abundan: 25-38°C: 22-35°C or above	ce increase ,RH: 65-809 ,RH: 50-70 , Favored b	to thrive es when the % % oy rainy we	eather and	humid con	dition		°C), RH: 60	to 70%	
Favorable conditions for insects and di Fruit fly Pumpkin beetle Epilachna beetle Bacterial angular leaf spot	seases			26 °C		T o 28ºC, RH	emperature emperature 85% to 95% lopment fav	Abundan: 25-38°C; 22-35°C or above ored by c	of sunlight ce increase ,RH: 65-809 ,RH: 50-70 , Favored b ertain risin	to thrive es when the % y y rainy we g of tempe	eather and erature, rai	humid con	dition		°C), RH: 60	to 70%	
Favorable conditions for insects and di Fruit fly Pumpkin beetle Epilachna beetle Bacterial angular leaf spot Cucumber mosaic virus	seases			26 °C		T o 28ºC, RH	emperature emperature 85% to 95% lopment fav	Abundan: 25-38°C; 22-35°C or above ored by c	ce increase ,RH: 65-809 ,RH: 50-70 , Favored b	to thrive es when the % y y rainy we g of tempe	eather and erature, rai	humid con	dition		°C), RH: 60	to 70%	
Favorable conditions for insects and diffruit fly Pumpkin beetle Epilachna beetle Bacterial angular leaf spot Cucumber mosaic virus Weather warning Rainfall (mm) Cloudy weather	seases			26 °C		T o 28ºC, RH	emperature emperature :85% to 95% :lopment fav 20-30 n	Abundan: 25-38°C; 22-35°C or above ored by c	of sunlight ce increass ,RH: 65-80° ,RH: 50-70 , Favored b ertain risin es water lo	to thrive es when the % % oy rainy we g of tempe gging cond on	eather and erature, rai	humid con	dition		°C), RH: 60	to 70%	
Favorable conditions for insects and diffruit fly Pumpkin beetle Epilachna beetle Bacterial angular leaf spot Cucumber mosaic virus Weather warning Rainfall (mm) Cloudy weather Drought	seases			26 °C		T o 28ºC, RH	emperature emperature 85% to 95% lopment fav 20-30 m	Abundan: 25-38°C; 22-35°C or above ored by comm (Create Clought due to	of sunlight ce increase ,RH: 65-809 ,RH: 50-70 , Favored b ertain risin es water log idy condition o excessive	es when the way rainy we go of tempor conditions and the weath on the dry weath	eather and erature, rai lition)	humid con	dition		°C), RH: 60	to 70%	
Favorable conditions for insects and diffruit fly Pumpkin beetle Epilachna beetle Bacterial angular leaf spot Cucumber mosaic virus Weather warning Rainfall (mm) Cloudy weather Drought Duration of staying wet	seases		Leto coccu		to 32 °C, d	T o 28°C, RH isease deve	emperature emperature :85% to 95% :lopment fav 20-30 n	Abundan: 25-38°C; 22-35°C or above ored by comm (Create Clought due to	of sunlight ce increase ,RH: 65-809 ,RH: 50-70 , Favored b ertain risin es water log idy condition o excessive	es when the way rainy we go of tempor conditions and the weath on the dry weath	eather and erature, rai lition)	humid con	dition		°C), RH: 60	to 70%	
Favorable conditions for insects and diffruit fly Pumpkin beetle Epilachna beetle Bacterial angular leaf spot Cucumber mosaic virus Weather warning Rainfall (mm) Cloudy weather Drought	seases		Late seasor		to 32 °C, d	T o 28°C, RH isease deve	emperature emperature 85% to 95% lopment fav 20-30 m	Abundan  : 25-38°C  :22-35°C  or above  rored by c  Clought due to  if the war	of sunlight ce increase ,RH: 65-809 ,RH: 50-70 , Favored b ertain risin es water log idy condition o excessive	es when the way rainy we ag of temper condon dry weath to conditio	eather and erature, rai lition)	humid con	dition		°C), RH: 60	to 70%	

Crop Weather Calendar of Kharif Cucumber: Khulna Region (Districts: Khulna, Norail, BagerHat&Sathkhira) Bangladesh

Khulna Region		Kharif C	Cucumber		Life span 100-120 day												
Months		Ap	ril		May						Ju	ne		July			
Std.Week/Normal	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Rainfall (mm)	12.5	12.5	17.5	25.0	31.5	32.5	37.0	47.5	50.0	52.0	77.5	79.0	93.5	92.0	74.5	94.0	76.5
Max. Temp. (°C)	35.0	35.2	35.2	35.2	35.1	35.2	35.3	35.1	35.0	34.7	33.4	32.7	32.3	32.0	32.1	31.8	32.1
Min. Temp. (°C)	24.0	24.3	24.9	25.0	25.0	25.3	25.8	26.0	26.4	26.8	26.2	26.3	26.1	26.0	26.2	26.1	26.1
Mean Temp. (°C)	29.5	29.8	30.1	30.1	30.0	30.2	30.6	30.5	30.7	30.7	29.8	29.3	29.2	29.0	29.1	28.9	29.1
RHmax (%)	94.3	93.7	93.3	93.2	93.0	93.1	93.4	93.7	93.9	94.2	95.1	95.7	95.8	96.0	95.5	95.9	95.8
RHMin (%)	48.8	49.2	52.4	53.7	55.3	57.4	57.9	60.7	62.0	64.9	70.2	73.3	75.1	75.5	74.6	77.0	75.5
RHmean (%)	71.5	71.4	72.8	73.4	74.1	75.2	75.7	77.2	77.9	79.5	82.6	84.5	85.4	85.7	85.1	86.4	85.6
SShr (hrs)	59.0	60.0	61.5	58.0	59.5	56.5	55.0	47.0	50.0	41.5	29.5	23.5	25.0	21.5	27.0	24.5	29.0
WD (deg)	202	196	192	186	186	183	177	180	184	178	170	175	179	186	175	175	179
WS(Km/hr)	7.1	7.6	7.6	8.0	7.5	7.5	7.1	7.2	7.3	6.7	6.8	6.8	6.8	5.6	5.6	6.6	6.2
ধাপ সমূহ																	
Stage	Spout	ing & Se	edling		vegetative growth Flow				Flower	ring & fruit	ing			Harvesting			
Favorable environment																	
Temperature		25 °C-30	°C, Belov	v 15 °C an	d above 35	°C growt						d high light	intensity ha	impered fer	nale flower	production;	
Relative Humidity							60%	ն to 70% dւ		ay and high	er at night						
Soil Temperature Sunshine Hour								C += 0	15.5° C - 3	32 °C ght to thriv							
Favorable conditions for insects	s and disease	25						0 10 8	ni oi sunii	gnt to thriv	е						
Fruit fly	T dilu discus								Abundanc	e increases	when the	emperatu	res fall belov	v 32°C (10 t	o 30 °C). RH	l: 60 to 70%	
Pumpkin beetle		Abundance increases when the temperatures fall below 32 °C (10 to 30 °C), RH: 60 to 70%  Temperature: 25-38 °C, RH: 65-80%															
Epilachna beetle		Temperature:22-35 º C,RH: 50-70%															
Bacterial angular leaf spot					23	3°C to 28°C	C, RH:85% to	o 95% or al	ove, Favor	ed by rainy	weather ar	nd humid c	ondition				
Cucumber mosaic virus				2	6 °Cto 32 °	C, disease	developme	nt favored	by certain i	rising of ter	mperature,	rainfall and	relative hu	midity			
Weather warning																	
Rainfall (mm)							20			er logging co	ondition)						
Cloudy weather									Cloudy con		.1						
Drought										ssive dry we							
Duration of staying wet	+		1 -4		Sall contain 1	:1-4	2 to 3	3 days if the	water stag	gnant condi	ition prevai						
Hailstorm	+		Late	season rain	all with ha	iistorms			10 Km /h : -								
Wind spread (Km/hr.)	-		Dalass 45 f	اد مسما -ا-	- 2F 00 :		الدولم المساور		40 Km/hr o		المامالة مرم			formal - fl			
Temperature (ºC)		Below 15 °C and above 35 °C growth will be retard; high temperature, long day length and high light intensity hampered female flower production												iemale flov	ver producti		